



TELEX

Radio Dispatch

Radio Dispatch Engineering Group

IP-224 BETA Version 2.101 Engineering Release Notes

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Revision A

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Revision History

Revision	Date	Author	Description
Initial	04/08/16	Radio Dispatch Engineering Group	Official 2.100 Release
A	04/28/16	Radio Dispatch Engineering Group	Updated IP-224 Version 2.101

Overview

This document contains the release notes for the IP-224's firmware version 2.101. The release notes include all of the changes and fixes since official release version 2.100. Cross application compatibilities are outlined in this document.

Important

After upgrading from a previous firmware revision to version 2.000 or newer, the unit will reboot and begin the process of updating system components. During the update process, the unit will display "Firmware Updating". This update process takes approximately 1 minute, after which the unit will self-reboot and operate normally. **Ensure that the unit completes the update cycle and boots normally before removing power from the unit.**

After the IP-224 firmware has been upgraded to version 1.200 or newer, the firmware cannot be reverted to any previous version (1.102 or earlier). Any attempt to downgrade the firmware version via TSM will be refused by the IP-224.

Starting with IP-224 firmware version 2.000, some serial controlled radio types now require an option code to enable. See the table below for serial controlled radios requiring an option code to fully function.

New Features

Version 2.101

- NA

Feature improvements and known issues fixed in this release

Version 2.101

- Changed TETRA Serial Types Per Line Setup->Function Tone Setup->ISSI/GSSI Number range to 0-16777215 for Trunked GC, Trunked HDPC, and Direct GC.
- Fixed an issue where transmit was turned off before the entire TX Delay buffer was played.

Serial Type Information

Serial Type	Device	Tested Device Firmware	IP-224 Additional Features Access Key
EFJ 5300/VMx00	EFJohnson RS-5300 EFJohnson 53SL ES EFJohnson VMx00 <i>Multi-System radio</i>	4.14.5 6.16.18 8.12.17	EFJohnson Radio 1 or 2 Lines
Hytera MD782	Hytera MD782G <i>DMR radio</i>	7.00.11.007	DMR Interface Enables 2 Lines
Hytera MT680	Hytera MT680 <i>TETRA radio</i>	V2.06.15.009	TETRA Interface Enables 2 Lines
Icom	Icom IDAS IC-Fx061 Option Board UT-126H <i>NXDN radio</i>	Rev.5.4 - Checksum: \$BC4F Rev.3.2 – Checksum: \$F961	NXDN Interface Enables 2 Lines
iDEN	Motorola i355 Motorola i365 <i>iDEN radio</i>	NA NA	iDEN Radio 1 or 2 Lines
Not Tested this Release	Not Tested this Release	Not Tested this Release	Not Tested this Release
Kenwood 5x10	Kenwood TK-5x10 Ver. 2.0 Kenwood TK-5x10 Ver. 2.0 - DOS Kenwood TK-5x10 Ver. 3.0 Kenwood TK-5x10 Ver. 3.0 - DOS <i>P25 radio</i>	F4.41 – Checksum FBF1 F4.41 – Checksum E346 G6.08 – Checksum 0354 G6.01 – Checksum 9780	P25 Interface Enables 2 Lines
Kenwood NEXEDGE	Kenwood NX-x00 <i>NXDN radio</i>	4.76 – Checksum 8DB6	NXDN Interface Enables 2 Lines
Kenwood x150	Kenwood TK-x150 <i>Conventional Analog radio</i>	1.07 – Checksum E282	No Access Key Required
Kenwood x180	Kenwood TK-x180 <i>Conventional Analog radio</i>	1.22 – Checksum 035C	No Access Key Required
Kenwood x80	Kenwood TK-x80 Ver. 2.0 <i>Conventional Analog radio</i>	.028 – Checksum 0ADE	No Access Key Required
Kenwood x90	Kenwood TK-x90 <i>Conventional Analog radio</i>	2.27 – Checksum 7C44	No Access Key Required
MOTOTRBO Interface	Motorola XPR4550 Option Board Version (XPR4550) Motorola XPR5350 Motorola XPR5550 <i>DMR radio</i>	01.12.15 01.07.40 02.50.04 02.50.04	DMR Interface Enables 2 Lines Serial Type MOTOTRBO Interface Available on 1 Line Only per unit
MTRBi	MTRBi Motorola XPR4550 Option Board Version (XPR4550) Motorola XPR5350 Motorola XPR5550 <i>DMR radio</i>	MTRBi version 1.200 01.12.15 01.07.40 02.50.04 02.50.04	No Access Key Required

Serial Type	Device	Tested Device Firmware	IP-224 Additional Features Access Key
PowerTrunk	PowerTrunk MDT-400 <i>TETRA radio</i>	27.00.01	TETRA Interface 2 Lines
Sepura	Sepura SRM2000 Sepura SRG3500 <i>TETRA radio</i>	V8.3-002 V9.0-006	TETRA Interface 2 Lines
Serial Over IP	NA	NA	No Access Key Required
Sprint Direct Connect	AdvanceTec AdvanceBridge Qualcomm <i>Remote Cellular Modem</i>	V0004 V1.306	Sprint Direct Connect 1 or 2 Lines
Not Tested this Release Tait TM91xx/TM94xx	Not Tested this Release Tait TM9100 Tait TM9400 <i>P25 radio</i>	Not Tested this Release 8.03.01 2.04.01	Not Tested this Release P25 Interface 2 Lines
Tait TM93xx	Tait TM9300 <i>DMR radio</i>	2.08.00	DMR Interface 2 Lines

Compatibility

C-Soft Application

- Version 6.501+ - Necessary for MDC Call Alert Acknowledgement feature.
- Version 6.500+ - Necessary for all other features.

Telex System Manager

- Version 2.100+ - Necessary for programming parameters and firmware upgrades.

Installation and Upgrade

Please use Telex System Manager 2.100 or newer to upgrade the firmware. Please refer to the IP-224 manual for information on how to upgrade the new firmware.